UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/751,971	12/29/2000	Dimitrios Papadimitriou	64645-1044	9076

				EXAMINER	
27045	7590	07/12/2005		HOM, SHICK C	

ERICSSON INC.
6300 LEGACY DRIVE
M/S EVR C11
PLANO, TX 75024

ART UNIT	PAPER NUMBER
2666	

DATE MAILED: 07/12/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on _19 January 2005_.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) _1-20 and 28-38_ is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) _1-5,10,11,20 and 28-36_ is/are rejected.

7)☒ Claim(s) _6-9,12-19,37 and 38_ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☐ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

DETAILED ACTION

Response to Arguments

1.   Applicant's arguments filed 1/19/05 have been fully

considered but they are not persuasive.

In page 10 line 7 to page 11 line 19, applicant argued that

Forslow does not disclose or teach a second database that

services both the first switch for providing circuit switching

services and a second switch for providing packet switching

services is not persuasive because Fig. 2 shows the Visitor

Location Register VLR 44 connected to the GSM circuit-switched

network 40 and the GSM packet-switched network 52 and paragraph

0010 which recite VLR 44 containing information about all mobile

stations currently located in a corresponding location or

service area and receiving data about the roaming mobile station

from the Home Location Register, i.e. the first database clearly

anticipate the second database communicably coupled to the first

switch for providing circuit switching services and communicably

coupled to the second switch for providing packet switching

services as recited in the claims 1, 28, 34.

Claim Rejections - 35 USC § 102

2.   The following is a quotation of the appropriate paragraphs

of 35 U.S.C. 102 that form the basis for the rejections under

this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for
> patent, published under section 122(b), by another filed in
> the United States before the invention by the applicant for
> patent or (2) a patent granted on an application for patent
> by another filed in the United States before the invention
> by the applicant for patent, except that an international
> application filed under the treaty defined in section
> 351(a) shall have the effects for purposes of this
> subsection of an application filed in the United States
> only if the international application designated the United
> States and was published under Article 21(2) of such treaty
> in the English language.

3.   Claims 1-5, 10-11, 20, and 28-36 are rejected under 35

U.S.C. 102(e) as being anticipated by Forslow (2003/0039237).

Regarding claim 1:

Forslow discloses the method of managing subscriber data in

a telecommunications system, wherein said telecommunications

system comprises a first switch for providing circuit switching

services and a second switch for providing packet switching

services, said method comprising the steps of: receiving one or

more messages from a mobile station; requesting the subscriber

data from a first database, wherein the subscriber data includes

circuit switching data and packet switching data and wherein

said first database maintains and stores said subscriber data

associated with said mobile station; receiving the subscriber

data from the first database; and storing the subscriber data in

a second database serving a particular service area currently

covering said mobile station (see paragraphs 0010-0011, which

recite the subscriber data in the HLR database and the visitor

location register VLR database whereby the VLR requests and

receives data about the roaming mobile station from the HLR and

stores it clearly anticipate the corresponding first and second

database for storing subscriber data, the step of receiving

messages from the mobile station requesting subscriber data from

a first database; receiving and storing subscriber data from the

first database in the second database as claimed) wherein the

second database is communicably coupled to the first switch for

providing circuit switching services to the mobile station

within said service area, and is communicably coupled to the

second switch for providing packet switching services to the

mobile station within said service area (see abstract and

paragraph 0075 which recite the mobile station being connected

via a circuit switch and/or a packet switch as instructed using

subscription information from the HLR database clearly

anticipate the first switch and second switch for providing

circuit and packet switching services to the mobile station,

respectively).

Regarding claim 28:

Forslow discloses the telecommunications system comprising:

a first database containing subscriber data of one or more

mobile subscribers, wherein the subscriber data includes circuit

switching data and packet switching data; a second database

communicably linked to the first database, wherein the second

database receives the subscriber data contained in the first

database and stores the subscriber data for subscribers roaming

within a service area covered by the second database (see

paragraphs 0010-0011, which recite the subscriber data in the

HLR database and the visitor location register VLR database

whereby the VLR requests and receives data about the roaming

mobile station from the HLR and stores it clearly anticipate the

corresponding first and second database for storing subscriber

data, the step of receiving messages from the mobile station

requesting subscriber data from a first database; receiving and

storing subscriber data from the first database in the second

database as claimed); a circuit switching network devices device

connected to the second database, said circuit switching network

device providing circuit switching telecommunications services

to the one or more mobile subscribers within said service area

based upon the subscriber data stored within said second

database; and a packet switching network device connected to the

second database, said packet switching network device providing

packet switching telecommunications services to the one or more

mobile subscribers within said service area based upon the

subscriber data stored within said second database (see abstract

and paragraph 0075 which recite the mobile station being

connected via a circuit switch and/or a packet switch as

instructed using subscription information from the HLR database

clearly anticipate the first switch and second switch for

providing circuit and packet switching services to the mobile

station, respectively).

Regarding claim 34:

Forslow discloses the computer program embodied on a

computer readable medium, said computer program managing

subscriber data in a telecommunications system, said computer

program (see paragraph 0009 which recite the mobile

communications system including the mobile host being a computer

terminal clearly anticipate the computer program for managing

subscriber data in a telecommunications system) comprising: a

code segment for receiving one or more messages from a mobile

station; a code segment for requesting the subscriber data from

a first database, wherein the subscriber data includes circuit

switching data and packet switching data; a code segment for

receiving the subscriber data from the first database; and a

code segment for storing the subscriber data in a second

database wherein said second database is associated with a

service area currently covering said mobile station (see

paragraphs 0010-0011, which recite the subscriber data in the

HLR database and the visitor location register VLR database

whereby the VLR requests and receives data about the roaming

mobile station from the HLR and stores it clearly anticipate the

corresponding first and second database for storing subscriber

data, the step of receiving messages from the mobile station

requesting subscriber data from a first database; receiving and

storing subscriber data from the first database in the second

database as claimed), a code segment for providing the

subscriber data from the second database to a circuit switching

network device for providing; circuit switching services to one

or more mobile stations within said service area; and a code

segment for providing the subscriber data from the second

database to a packet switching network device for providing

packet switching services to one or more mobile stations within

said service area (see abstract and paragraph 0075 which recite

the mobile station being connected via a circuit switch and/or a

packet switch as instructed using subscription information from

the HLR database clearly anticipate the first switch and second

switch for providing circuit and packet switching services to

the mobile station, respectively).

Regarding claims 2, 30:

Forslow discloses wherein the first database is a home

location register (see paragraphs 0010-0011 which recite the

HLR).

Regarding claims 3, 31:

Forslow discloses wherein the second database is a

universal visitor location register located in a new or old

service area (see paragraphs 0010-0011 which recite the VLR).

Regarding claim 5:

Forslow discloses wherein the step of requesting the

subscriber data from the first database comprises the step of

sending one or more messages to the first database to request

the subscriber data (see paragraph 0011).

Regarding claim 10:

Forslow discloses wherein the one or more messages being

sent to the first database to request the subscriber data is an

update location signal (see paragraphs 0010-0011).

Regarding claim 11:

Forslow discloses wherein the one or more messages received

from the mobile station at the second database is a routing area

update request signal (see paragraph 0013 which recite the HLR

stores routing information).

Regarding claim 20:

Forslow discloses wherein the mobile station is roaming

from an old service area to a new service area (see paragraph

0010 which recite the roaming mobile station).

Regarding claim 29:

Forslow discloses one or more service areas, wherein each

service area includes one or more first databases, the second

database, the circuit switching network device, and the packet

switching network device (see paragraph 0010-0012 which recite

the service areas, the HLR, VLR, packet and circuit switch).

Regarding claim 32:

Forslow discloses wherein the circuit switching network

device is a mobile switching centers center for providing

circuit switching services to the one or more mobile subscribers

(see paragraph 0009 which recite the mobile switching center

connected to the circuit-switched network for mobile

communications).

Regarding claim 33:

Forslow discloses wherein the packet switching network

device is a signaling node for providing packet switching

services to the one or more mobile subscribers (see paragraph

0005 which recite providing the packet-switched data services

for mobile application).

Regarding claims 4 and 35:

Forslow discloses the step of a code segment for

communicating one or more messages with one or more databases in

response to the one or more messages from the mobile station

(see paragraphs 0010-0011 which recite the databases for the

mobile station).

Regarding claim 36:

Forslow discloses wherein the code segment for requesting

the subscriber data from the first database comprises the code

segment for sending one or more messages to the first database

to request the subscriber data (see paragraphs 0010-0011 which

the subscriber data and the databases).

Allowable Subject Matter

4.   Claims 6-9, 12-19, and 37-38 would be allowable if

rewritten to include all of the limitations of the base claim

and any intervening claims.

Conclusion

5.   **THIS ACTION IS MADE FINAL.** Applicant is reminded of the

extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action
is set to expire THREE MONTHS from the mailing date of this
action.   In the event a first reply is filed within TWO MONTHS
of the mailing date of this final action and the advisory action
is not mailed until after the end of the THREE-MONTH shortened
statutory period, then the shortened statutory period will
expire on the date the advisory action is mailed, and any
extension fee pursuant to 37 CFR 1.136(a) will be calculated
from the mailing date of the advisory action.   In no event,
however, will the statutory period for reply expire later than
SIX MONTHS from the mailing date of this final action.

6.   Any inquiry concerning this communication or earlier
communications from the examiner should be directed to Shick C.
Hom whose telephone number is 571-272-3173.   The examiner can
normally be reached on Monday to Friday with alternate Fridays
off.

    If attempts to reach the examiner by telephone are
unsuccessful, the examiner's supervisor, Seema Rao can be
reached on 571-272-3174.   The fax phone number for the
organization where this application or proceeding is assigned is
571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SH

DANG TON
PRIMARY EXAMINER